

D30126US

Abstract

The present invention relates to a recombinant cellular system, comprising an animal host cell, comprising a recombinant G protein-coupled specific receptor, and the recombinant Ca²⁺ specific channel CNGA2. The invention furthermore relates to a method for producing the cellular system according to the invention and the use of the system for a deorphanisation of G protein-coupled receptors. Furthermore, the present invention relates to the use of the cellular system for identifying novel G protein- coupled receptors from gene banks.

Text of the drawings

Fig 1: Fluoreszenz = Fluorescence

Zeit = Time

Fig. 2 Fluoreszenz = Fluorescence

Fig. 3 Fluoreszenz Einheiten = Fluorescence Units

Produktion = production

Fluoreszenz = Fluorescence

Fig. 4 Produktion = production

Fig. 5 Zeit = Time (min)

Fig. 8 Fluoreszenz = Fluorescence

Fig. 9 Fluoreszenz-Antwort = Fluorescence-response

Fig. 10: Kanal = channel

Rezeptor = receptor

Fig. 11 Fluoreszenz = Fluorescence

Zeit = Time